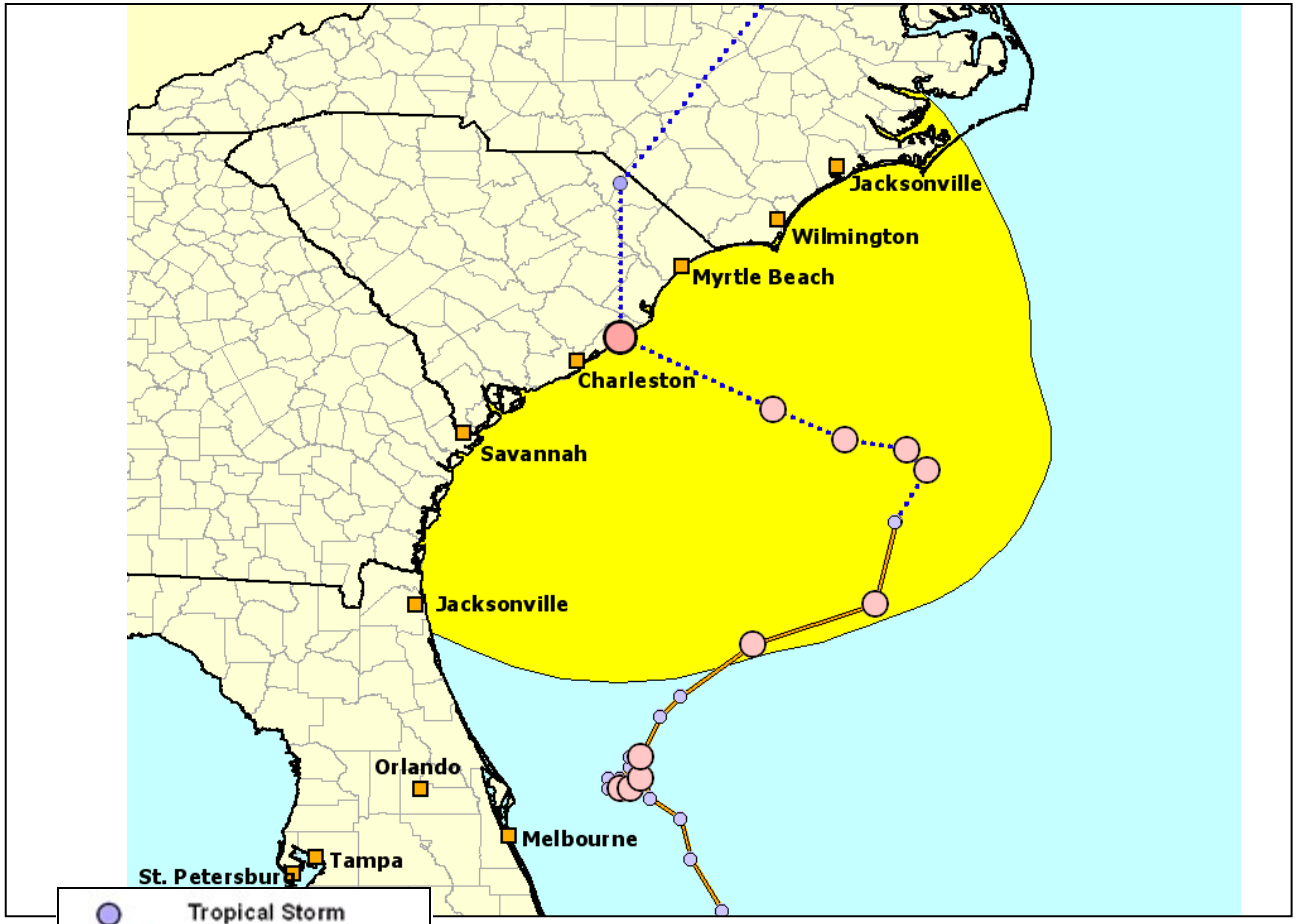
Hurricane Ophelia Model Results

Landfall Expected Within *3* Days

For Official Use Only!



Information provided on the following page displays four possible Category 2 landfall scenarios within the error cone provided by the National Hurricane Center (NHC) **for the Atlantic Coast United States.**

These projections are based on information from the NHC (1100 – 09/10/2005) updated forecast.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Ophelia 3-Day Model

Generated By: Terry Siemsen
Generated Date: 0700 EDT 09/10/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Ophelia Model Results

Landfall Expected Within *3* Days

Values Provided For Planning Purposes

For Official Use Only!

		Ice/Water Commodities - Trucks/Distribution Lanes Ramp-up (Number of Trucks Each Commodity and Lanes Anticipated - end of each day)					
					Commodity Trucks	Within Hurricane Force Winds	
	Debris (cu yds)	Day One (25%)*	Day Two (50%)*	Day Three (100%)*	Day 1-3 Total	Population	Households
Jacksonville Track							
Florida	4,118,000	50	50	59	159	991,000	381,000
Georgia	12,000	0	0	1	1	5,000	1,400
Total	**4,130,000**	**50**	**50**	**60**	**160**	**996,000**	**382,400**
Savannah Track							
Georgia	1,804,000	5	9	18	32	302,000	115,000
South Carolina	78,000	0	1	2	3	31,000	12,000
Total	**1,882,000**	**5**	**10**	**20**	**35**	**333,000**	**127,000**
Charleston Track							
South Carolina	2,850,000	8	16	32	56	529,000	201,000
Total	**2,850,000**	**8**	**16**	**32**	**56**	**529,000**	**201,000**
Wilmington Track							
North Carolina	1,106,000	4	7	14	25	241,000	99,400
Total	**1,106,000**	**4**	**7**	**14**	**25**	**241,000**	**99,400**

Key assumption is that establishment of distribution lanes will be the limiting factor.

* Assumption is that States/locals (FL is the * exception) will have the capability to establish about 25% of needed distribution lanes in the first 24 hours post-landfall, about 50% of needed distribution lanes in the first 48 hours after landfall, and all needed lanes by 72 hours post landfall. Florida, due to past experience, estimates they can establish up to 50 distribution lanes per day.

Ophelia 72 hour assumption - 30% of the population within hurricane force winds will require water and/or ice

Information provided on the following pages display the **most probable hurricane track** based on information from the National Hurricane Center (NHC) and alternate **worst-case possible scenarios for each state** in the NHC error cone. These projections are based on information from the NHC (0500 – 09/10/2005) forecast.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

ırricane Ophelia 3-Day Model

Generated By: Terry Siemsen
Generated Date: 0700 EDT 09/10/2005

Sources:
HURREVAC
LRL-DEBRIS